

Abstract

Method and apparatus for calculating a discrete orthogonal transform such as FFT or IFFT

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A method for calculating an orthogonal discrete transform on the basis of the DIT method in prescribed intermediate steps has the following steps:

- a) the data are read from a memory organized on a page-for-page basis,
- 10 b) the intermediate step prescribed by the transform is carried out,
- c) the resulting data are stored in a buffer memory, and
- 15 d) the resulting data are written page-for-page from the buffer memory to the memory organized on a page-for-page basis.

Suitable discrete orthogonal transforms are FFT, IFFT,
20 DCT, IDCT and transforms of similar structure.

Figure 4